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NOTICE OF ALLOWANCE AND FEE(S) DUE

79693

7590

08/20/2010

EXAMINER CHONG, KIMBERLY

Merck c/o Sirna Therapeutics, Inc. 1700 Owens Street

1635

ART UNIT

DATE MAILED: 08/20/2010

PAPER NUMBER

4th Floor San Francisco, CA 94158

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.

10/597,755 05/22/2007 Vasant Jadhav SIR-MIS-00004-US-PCT 5817

TITLE OF INVENTION: RNA INTERFERENCE MEDIATED INHIBITION OF GENE EXPRESSION USING MULTIFUNCTIONAL SHORT INTERFERING NUCLEIC ACID (MULTIFUNCTIONAL SINA)

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/22/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

appropriate. All further ndicated unless correct naintenance fee notifica	ed below or directed oth	ng the Patent, advance of herwise in Block 1, by (a	rders and notification of a) specifying a new corre	maintenance fees w espondence address;	ill be a and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for	
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San Francisco, C	CA 94158		-				(Depositor's name)	
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	, I	ATTO	PNEY DOCKET NO	CONFIRMATION NO.	
10/597,755	05/22/2007	INCE MEDIATED INC	Vasant Jadhav			IS-00004-US-PCT	5817	
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PLEASE NOTE: Uni	less an assignee is ident	ified below, no assignee pletion of this form is NO	data will appear on the	patent. If an assigne	ee is id	lentified below, the do	ocument has been filed for	
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☐ Issue Fee			A check is enclosed.					
	No small entity discount [Payment by credit card. Form PTO-2038 is attached.						
Advance Order -	# of Copies	The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number(enclose an extra copy of this form).						
. Change in Entity Sta	tus (from status indicate	d above)						
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NOTE: The Issue Fee an nterest as shown by the	d Publication Fee (if reqrecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than COffice.	the applicant; a regis	stered a	attorney or agent; or the	e assignee or other party in	
Authorized Signature				Date				
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n application. Confiden	tiality is governed by 35	U.S.C. 122 and 37 CFR	1.14. This collection is es	stimated to take 12 n	ninutes	to complete, including	g gathering, preparing, and ne you require to complete rtment of Commerce, P.O.	

submitting the completed application form to the USPTO. Time will vary depending upon the incivious case. Any comments on the amount of this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597,755 05/22/2007		05/22/2007	Vasant Jadhav	SIR-MIS-00004-US-PCT	5817
79693	7590	08/20/2010		EXAMINER	
Merck			CHONG, KIMBERLY		
c/o Sirna Thera		Inc.	ART UNIT	PAPER NUMBER	
1700 Owens Str 4th Floor San Francisco,		58		1635 DATE MAILED: 08/20/201	0

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 239 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 239 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s) JADHAV ET AL.				
	10/597,755					
Notice of Allowability	Examiner	Art Unit				
	KIMBERLY CHONG	1635				
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr GHTS . This application is	in this application. If not included nunication will be mailed in due cour	rse. THIS			
2. X The allowed claim(s) is/are <u>1,3-7,13,14,17-23 and 31</u> .						
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	been received. been received in Applicat	ion No	from the			
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	ENT of this application. itted. Note the attached Ex	(AMINER'S AMENDMENT or NOTIO				
5. CORRECTED DRAWINGS (as "replacement sheets") mus	. ,					
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached				
1) hereto or 2) to Paper No./Mail Date						
 (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1) 	.84(c)) should be written on	the drawings in the front (not the bac	·k) of			
each sheet. Replacement sheet(s) should be labeled as such in the	_					
DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT			the			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of	Informal Patent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),				
3. Information Disclosure Statements (PTO/SB/08),		o./Mail Date s Amendment/Comment				
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner 9. □ Other	s Statement of Reasons for Allowan	ce			
	/Kimberly Cho	ng/				
	Primary Exam	iner AU1635				
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Art Unit: 1635

The following is an examiner's statement of reasons for allowance:

Claims 1, 3-7, 13, 14, 17-23 and 31 are allowed. Claims 2, 8-12, 15, 16, 24-30 and 32 are cancelled as being drawn to a non-elected invention.

The rejection of record as being obvious over Turner et al. and cited references do not render the claimed invention obvious. Turner et al., while teaching a multifunctional hairpin RNA comprising dsRNA having at least two antisense regions adjacent to each other or attached by a linker, do not teach a multifunctional RNA wherein the antisense regions on opposite strands are complementary to each other by the claimed range of 1-24 nucleotides in length. The cited references do not provide this limitation or reasons to modify the multifunctional dsRNA. Further the prior art searched and made of record to not teach this multifunctional RNA or provide a motivation to modify the hairpin RNA of Turner et al.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly Chong whose telephone number is 571-272-3111. The examiner can normally be reached Monday thru Friday between 7-4 pm.

If attempts to reach the examiner by telephone are unsuccessful please contact Christopher Low at 571-272-0951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public. For more information about the PAIR system, see http://pair-direct.uspto.gov.

For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

/Kimberly Chong/ Primary Examiner Art Unit 1635